

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (currently amended) A method comprising:
2 examining a call and a file descriptor associated with the
3 call in an application node of a system area network, the call
4 corresponding to an application program interface for a first
5 transport-layer connection-oriented protocol; and
6 if the call and the file descriptor are of a first type,
7 translating the call to aone or more protocol messages
8 recognized by a second node in the system area network, the one
9 or more protocol messages being defined by a second transport-
10 layer connection-oriented protocol, and communicating the one or
11 more protocol messages translated call to the second node for
12 processing according to the first transport-layer connection-
13 oriented protocol.

1 2. (original) The method of claim 1 including processing
2 the call using an operating system of the application node if
3 the call and the file descriptor are of a second type.

1 3. (original) The method of claim 1 including assigning
2 the file descriptor using an operating system of the application
3 node.

1 4. (currently amended) The method of claim 1 including
2 mapping a communications identifier, received in the application
3 node from the second node and corresponding to a network
4 connection managed by the second node, to the file descriptor.

2 5. (currently amended) A system area network comprising:
3 a first node; and
4 an application node including a processor configured
5 for:
6 examining a call and a file descriptor associated with
7 a call in the application node, the call corresponding to an
8 application program interface for a first transport-layer
9 connection-oriented protocol; and
10 if the call and the file descriptor are of a first
11 type, translating the call to a one or more protocol messages
12 recognized by the first node for processing according to the
13 first transport-layer connection-oriented protocol, the one or
14 more protocol messages being defined by a second transport-layer
15 connection-oriented protocol.

1 6. (original) The system area network of claim 5 further
2 including a network node, wherein the first node is a proxy node
3 including a processor configured for translating the call to a
4 protocol recognized by the network node.

1 7. (original) The system area network of claim 5 wherein
2 the processor is further configured for translating a call to a
3 lightweight protocol message.

1 8. (original) The system area network of claim 5 wherein
2 the processor is further configured for translating a plurality
3 of calls to a single lightweight protocol message.

1 9. (original) The system area network of claim 5 wherein
2 the processor is further configured for translating the call to
3 a plurality of lightweight protocol messages.

1 10. (original) The system area network of claim 5 wherein
2 the processor is configured for translating the call to a
3 lightweight protocol message using a lightweight protocol
4 message received from the first node.

1 11. (original) The system area network of claim 5 wherein
2 the processor is further configured for translating more than
3 one call to a lightweight protocol message using a lightweight
4 protocol message received from the first node.

1 12. (original) The system area network of claim 5 wherein
2 the processor is further configured for translating the call to
3 a lightweight protocol message using a plurality of lightweight
4 protocol messages received from the first node.

1 13. (original) The system area network of claim 5 wherein
2 the application node includes an operating system for processing
3 the call if the file descriptor is of a second type.

1 14. (original) The system area network of claim 5 wherein
2 the application node further includes an operating system for
3 assigning the file descriptor.

1 15. (currently amended) The system area network of claim 5
2 wherein the processor is further configured for mapping a
3 communications identifier, received in the application node and
4 corresponding to a network connection managed by the first node,
5 to the file descriptor.

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4 16. (currently amended) An apparatus comprising:
5 a port for connecting the apparatus to a system area
6 network; and
7 a processor configured for:
8 examining a call and a file descriptor associated with the
9 call, the call corresponding to an application program interface
10 for a first transport-layer connection-oriented protocol; and
11 if the call and the file descriptor are of a first
12 type, translating the call to a one or more protocol messages
13 recognized by a system area network device, the one or more
14 protocol messages being defined by a second transport-layer
15 connection-oriented protocol, and sending the one or more
16 protocol messages translated ~~call~~ through the port addressed to
17 the system area network device for processing according to the
18 first transport-layer connection-oriented protocol.

1 17. (original) The apparatus of claim 16 further comprising
2 an operating system for processing the call if the call and the
3 file descriptor are of a second type.

1 18. (original) The apparatus of claim 16 further comprising
2 an operating system for assigning the file descriptor.

1 19. (currently amended) The apparatus of claim 16 wherein
2 the processor is further configured for mapping a communications
3 identifier, received at the apparatus and corresponding to a
4 network connection managed by the system area network device, to
5 the file descriptor.

1 20. (currently amended) An article comprising a computer-
2 readable medium that stores computer executable instructions for
3 causing a computer system to:

4 examine a call and a file descriptor associated with a call
5 in an application node of a system area network, the call
6 corresponding to an application program interface for a first
7 transport-layer connection-oriented protocol; and

8 if the call and the file descriptor are of a first type,
9 translate the call to a one or more protocol messages recognized
10 by a second node in the system area network, the one or more
11 protocol messages being defined by a second transport-layer
12 connection-oriented protocol, and send the one or more protocol
13 messages ~~translated call~~ to the second node for processing
14 according to the first transport-layer connection-oriented
15 protocol.

1 21. (original) The article of claim 20 further comprising
2 instructions for causing the computer system to process the call
3 using an operating system in the application node.

1 22. (original) The article of claim 20 further comprising
2 instructions for causing the computer system to assign the file
3 descriptor using an operating system of the application node.

1 23. (currently amended) The article of claim 20 further
2 comprising instructions for causing the computer system to map a
3 communications identifier, received in the application node and
4 corresponding to a network connection managed by the second
5 node, to the file descriptor.